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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent Inventor: Frank Collart *et al.*)
Serial No.: 09/533,466)
Attorney Docket No. 21416/90042)
Filing Date: March 23, 2000)
Title: USE OF THE CRYSTAL STRUCTURE)
OF BACTERIAL IMP DEHYDROGENASE TO)
DESIGN INHIBITORS OF BACTERIAL)
GROWTH)

Examiner: Amy Hartter

Art Unit: 1631

#191D
Plunkett
2/26/02
(NE)

AMENDMENT AND RESPONSE TO OFFICE ACTION
MAILED OCTOBER 15, 2001

DO NOT ENTER
Am. 3-22-02
Assistant Commissioner of Patents
Washington, D.C. 20231

Dear Sir:

This amendment is filed in response to the Office Action mailed October 15, 2001. Please enter the following amendments and consider the following remarks. A petition for a one-month extension of time until February 15, 2002 is filed concurrently with the required fee.

AMENDMENTS

In the Claims

Please amend the following claims:

3. (Amended) [The crystal of claim 1] A crystal of IMPDH (inosine monophosphate dehydrogenase) isolated from a bacterial preparation wherein the bacterial preparation is a pure culture of *Streptococcus pyogenes*.

4. (Twice Amended) A method for designing inhibitors [developing lead compounds for an inhibitor] of bacterial IMPDH (inosine monophosphate dehydrogenase), said method comprising:

- a. obtaining a crystal of bacterial IMPDH;
- b. recording x-ray diffraction data from said crystal;
- c. using said diffraction data to generate an electron density map consistent